

Notice of Allowability

Application No.

10/036,716

Examiner

Nelson D. Hernandez

Applicant(s)

HATASE ET AL.

Art Unit

2612

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed on 10/31/2005.
2. ☒ The allowed claim(s) is/are 1, 3 and 4 (Renumbered as 1-3 respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 3/29/2002
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


NGOC-YEN YU
PRIMARY EXAMINER

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on October 31, 2005 has been entered.

Response to Amendment

2. The Examiner acknowledges the amendments made on the claims received on October 31, 2005. Claims 1, 3 and 4 have been amended. Claims 2 and 5-8 have been cancelled.

Response to Arguments

3. Applicant's arguments, see pages 5-9, filed October 31, 2005, with respect to claims 1 and 4 have been fully considered and are persuasive. The rejections of claims 1 and 4 have been withdrawn.

Allowable Subject Matter

4. **Claims 1, 3 and 4** (Renumbered as 1-3 respectively) are allowed.
5. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the main reason for indication of allowable subject matter is because the prior art fails to teach or reasonably suggest setting a plurality of image taken in areas based on mounting data and component data, outputting pixel-selecting information for selecting pixels individually from among the pixels, based on widths of the respective image-taken-in areas; a relative-movement detector for detecting the plurality of components moving a given distance in one direction relative to the camera by comparing position information from the relative-moving mechanism with each of the respective taken-in areas to determine whether each of the components is within the taken-in area and providing a movement-detecting signal; and a controller for controlling said pixel-selecting section based on the pixel-selecting information and outputting a pixel signal supplied from the pixel specified by the pixel-selecting information when said relative-movement detector receives the movement detecting signal, wherein the widths of the image-taken--in- areas correspond to movement of the plurality of components, respectively, in the one direction-relative to the camera, and the camera has a scanning width that accommodates the largest component.

Regarding claim 4, the main reason for indication of allowable subject matter is because the prior art fails to teach or reasonably suggest generating pixel-selecting information based on widths of respective image-taken-in areas; moving the plurality of

components by a relative-moving mechanism in one direction relative to a camera; determining whether each of the components is within the respective taken-in area by comparing position information from the relative moving mechanism with each of respective taken-in-areas; and outputting an image signal from a specified pixel repeatedly based on the pixel-selecting information when each of the components moves a given distance relative to the camera when it is determined to be within the respective taken-in-areas; wherein the widths of the image-taken-in areas correspond to movement of the plurality of components, respectively, in the one direction relative to the camera, and the camera includes a scanning width that accommodates the largest component.

Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nelson D. Hernandez whose telephone number is (571) 272-7311. The examiner can normally be reached on 8:30 A.M. to 6:00 P.M..


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ngoc Yen Vu can be reached on (571) 272-7320. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nelson D. Hernandez
Examiner
Art Unit 2612

NDHH
January 20, 2006



NGOC-YEN VU
PRIMARY EXAMINER